

Naval Postgraduate School
Office of the Associate Provost and Dean of Research

FY2003 NPS Institutionally Funded Research Program
Center for Defense Technology and Education for the Military Services (CDTEMS)

1. The principal foci discussed in the charter for CDTEMS has remained consistent:
 - the long term impact of emerging technologies on successful joint war fighting, deterrence and homeland defense;
 - innovative product development processes, and;
 - the education requirements of the military forces to effectively utilize these emerging technologies and processes.
2. This focus is especially important at the current time when the private sector has surpassed DoD in their ability to rapidly develop and apply technology and in which the DoD is no longer the primary developer of new technology. By definition, the focus is highly multi-disciplinary and inter-disciplinary. It capitalizes on the unique attributes of the Naval Postgraduate School; military officer students who possess operational knowledge and skills and a faculty with significant knowledge and experience in both education and research relevant to the military services.
3. In addition to efficient utilization of unique NPS assets, the Center must create innovative partnerships among public and private institutions and other government organizations in order to best provide innovative solutions in an era where no one organization has the assets to keep abreast of all of the emerging technologies or rapidly changing political environment. This partnering is also necessary to create and promote synergy between technologists, civilian organizations and military operators; especially in the face of the rapidly changing focus for the military.
4. The FY2003 Program will focus on supporting the three interdisciplinary student projects within the Institutes. In addition there are several additional programs available to students and faculty:
 - Student support for theses/project work that augments the efforts of the C3F-NPS Desk and the PACOM-NPS Desk.
 - Participation (modeling and simulation, sensor and communication evaluation, etc.) in twice-yearly UAV experiments with operational forces.
 - Student Fellowship Program for students thesis work on issues that they brought to NPS from their last operational assignment.
 - Student Fellowship Program for two students to conduct their thesis in conjunction with the SSG yearly project; requires spending six weeks with SSG in Newport.
 - Fleet Transit Program permits faculty and students to demonstrate their latest S&T development with Fleet or ships passing along the Monterey Coast. Flight time provided for experiments on the CIRPAS Twin Otter. SATCOM permits experiment control and data flow with NPS classroom/lab.
5. A proposal will be written for all projects. Funding for approved projects will be centrally managed in the Research Office.

